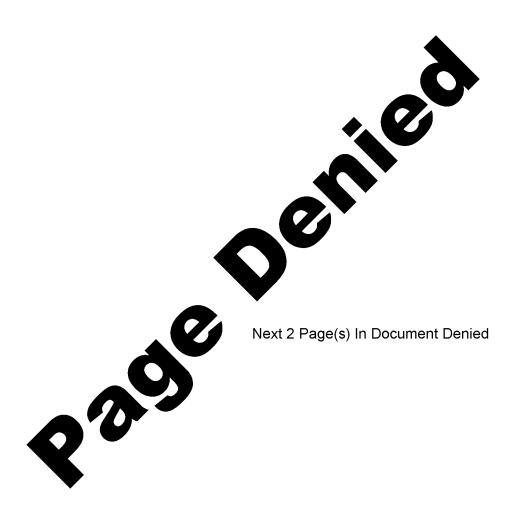
## 50X1-HUM



Declassified in Part - Sanitized	d Copy Approved for Release 2012/04/12 : Cl	A-RDP10-00105R000201740001-2
TICLIGE TO STATE OF THE STATE O	Intelligence Information S	Special Report
· · · · · · · · · · · · · · · · · · ·		Page 3 of 16 Pages
COUNTRY USSR		DATE 2 April 1976 50X1-HUM
MILITARY THOUG	HT (USSR): The Use of Statistical Data in Researching the Organization of Troop Control Organs	50X1-HUM

						Page	4 of 16	Page:
							50X1-	·HUM
	The U	se of Stat Organizati	on of Tr	Data in I	Researchi col Organ	ng the		
		Co	lonel A.	. Kolgushl	cin			
and det the ava of stat influen statist	can easily e capabiliti ermine the o ilable as we istics creat ces on establics should be structure o	es of exisptimal maked as with es conditions or used as used as	ting con e-up and future ons for changing	ntrol organistrol organistrol of control of effective agreement of the control of	ns, expone e of the equipment ely count of organ	se their se organs . The co eracting ization.	weak por s with be onclusive subject: Therefo	ints oth enes: ive
and quare necessar during a function point are the frame director in plans. Then we groups a the entited in the control of the	should note ntitative concept to estable a period of a period of a second a front and carried and carr	mposition ish the nutering the examination study examination staff, rying out the function indication is estimated is estimated.	of one of merous fions and tion of the telement, we will combat a ons firs	or another functions the time an indivi- otal numb for examattempt ctions in tinto smear simil	control which the required dual function er of post ple, the to determ a front arity unit	organ, and a service of the carrier as sible que operation in the carrier and	erform  y out the a startions  ons  is involve operate  tructure	nese ing to lved
with the of situal Statistic man-hour director the determination forces a calculate echelons making a	is known, the collection data to cal calcular is per day. The combination of the combination of the combinations for regard reserves and reserves ibious force	processing the appropriate in additions show in addition in the number of the number of the appearance of the appearance in the appearance	ng, analy opriate that the con, in or form a waities of and action the contraction of the	ysis, and superviso is requir rder to p hole seri clear war the trootual loss commitmen g zones o tacles, and	reporting reporting and expenses an average of called heads reported to the fradioactropping (	ng of var ecutors. erage of eration culation puired for lative s must per engagementive con landing)	ious typ  240  the s involv r an trengths form nt of se taminati airborn	ring in cond on,



these functions as well as on the preparation of various types of reference data.

The operations directorate develops the operational directive, the plan for the operation and other planning and combat documents which may require an additional 110 man-hours per day. In addition, its officers participate in reconnaissance, in organizing cooperation, in transmitting tasks to the troops, in rendering them assistance and in monitoring their actions, which requires an average of 50 man-hours daily. The directorate also performs a number of other assignments on which up to 60 man-hours per day may be spent.

If all of these functions are grouped according to their organic similarity they would comprise five groups: the first group would consist of the collection, analysis, and reporting of situation data; the second -- the preparation of operational-tactical calculations and reference materials; the third -- the development or formulation of a decision and documents for troop control; the fourth -- participation in reconnaissance operations, in organizing cooperation, transmitting tasks to the troops, rendering them assistance and in monitoring; the fifth -- other functions. These groups of tasks predetermine the organizational structure of the directorate. Since it can easily be seen that the second and third groups comprise purely operational functions, they would best be performed by one team of officers which, for organizational purposes, might make up a department. Usually such a department is called an operations department. Its total daily functions require 240 man-hours.

The first group includes information functions; they may be performed independently or jointly with the fourth group of functions which basically involve the presence of officers with the troops, that is, they are concerned with the work of axis officers. Since the collection of information is for the most part the responsibility of officers of the axes, it would be best if both of these groups of functions, which require a total of 290 man-hours per day, were united and placed in an independent department which could be called a department of axis-information officers, or simply of information officers.

The functions comprising the fifth group may be roughly divided equally among the two departments named above. Then the total amount of work performed by each department would be increased by 30 man-hours and would equal: 270 man-hours for the operations department and 320 man-hours for the department of axis-information officers.

	Page 6 of 16 Pages 50X1-HUM
department the information department of axis officers. not of two but of three depart officers), although we believe advantageous. The work of all	rouping of departments is possible. For anctions could be performed by an independent department, and the fourth group by the Then the operations directorate would consist them the first grouping would be more departments is closely related. They are de directorate the operations directorate.
make up the departments. This officer's working day. Combat exercises show that an officer day during a period of combat sleeping, eating, sanitation a shifts in command post duty. hours during the more tense day require additional rest on the	tments and determined the volume of their of determine the number of personnel that will requires a consideration of the length of an expractice and the results of postwar can work at full efficiency about 15 hours a actions. The remaining time is spent in and hygiene requirements and moving between An officer's work day may be increased to 20 mays of an operation. In this case he would be following day; otherwise the situation would be in his productivity and even to a temporary of during a subsequent period.
possible to determine the total needed by dividing the total v operations department must hav axis-information officers would number required by the operation be 39 officers, including the functional duties are taken in	ingth of the work day (15 hours), it is 1 number of departments and directorates olume of their work by 15. Thus, an e 18 officers (270:15) and a department of d need 21 officers (320:15). The total ons directorate of the staff of a front would chief of the directorate and his deputy whose to account in analyzing the operation of the her departments and directorates may be
generalized data both on the na amount of work involved in pertahearmy and front in the countries of Military Operations.	tical processing of a large amount of ps it has been possible to obtain certain ature of functional duties as well as the forming these duties by field headquarters of curse of an offensive operation in the Western. This analysis took into consideration the cal means and control methods which were used in 1964.

	Page 7 of 16 Page 50X1-HUM
Table 1 gives the amo in the field headquarters	ount of work and the number of officers required of an army and a <u>front</u> .
equipment is introduced, a troop control methods are	work involved in carrying out these functional changes are made and more advanced control s manual labor is replaced by machines and as improved. There will also appear certain new d to the servicing of technical means of control
degree of stress. Control work on days of higher streillustrated by data showin	peration develops unevenly depending upon the organs perform a significantly greater amount dess than on relatively quiet days. This may be g fluctuations in the amount of work performed be of the field headquarters of a front (Table 2).
without considering the man complete confidence in the be able to handle its job of Consequently, it is necessathe amount of work may be "average" day, how great is	itative composition of one or another department he basis of the average daily amount of work ximum possible work load will not provide fact that a given department or directorate will on days when the work load is overly high. ary to establish the number of man-hours by which increased on such days in comparison with an so the reserve in working time in one or another and whether this reserve is sufficient to carry
organizational ability and officers, etc.) have been a department (directorate) is its officers. We have alrestress in a combat situation two days at a maximum 20-hobe increased by five hours of work is reduced on subsedirectorate requires 18 off assignments and the maximum man-hours (400-270), then indirectorate with this complete of higher stress, since the increasing the length of the it would be 40 hours less to	of increasing the quality of work (improving methods of operation, interchangeability of exhausted, the only thing remaining for the sto increase the length of the working day of eady pointed out that during a period of higher on, an officer is capable of working for one or our load, that is, the length of his work day may if he is given additional rest or the intensity equent days. For example, if an air defense ficers (270:15) to perform its average daily in increase in the amount of its work is 130 in increase in the amount of its work is 130 in increase in the amount of its job on days additional time that would be derived by the officers' work day would be 90 hours, that is than required. This means that the directorate in number obtained by dividing the amount of work

unfulfilled (40) by 20 (the maximum length of the work day), that is, by two men, and its full complement would be 20 officers.  We have examined a method of determining the structure and numerical composition of departments and directorates based on the grouping of like or similar functions and the amount of work involved in carrying out these functions. But there are other functions that cannot be performed within a given department alone or even within a directorate. Let us take, for example, the series of measures which must be undertaken in planning the employment of nuclear weapons for the purpose of combating the nuclear weapons of the enemy. It encompasses a group of matters which requires the participation of the commander, the chief of staff, the operations and intelligence directorates, the staff of the air army, the staff of the rocket troops and artillery, and the directorates of missile and artillery armament, chemical and engineer troops, and others.  The extent of participation in such planning by the main executors of a field headquarters of a front may be expressed by the data given in Table 3.  Apart from the command, those having the greatest participation in carrying out these functions are the directorate of the chief of the rocket troops and artillery, the operations directorate, the directorate of the chemical troops and the intelligence directorate. Therefore, they obviously must work in close contact with each other under the common direct or operational supervision of the chief of staff. From this viewpoint the directorate of the chemical troops will be drawn more closely to the staff than, let us say, the directorate of the engineer troops and more frequently will be required to contact and function jointly with the directorates of the staff. In the same way one may analyze the volume of work related to the performance of other important groups of tasks, each of which is carried out jointly by several directorates (for example, the commander's adoption of a decision for an operation,			
We have examined a method of determining the structure and numerical composition of departments and directorates based on the grouping of like or similar functions and the amount of work involved in carrying out these functions. But there are other functions that cannot be performed within a given department alone or even within a directorate. Let us take, for example, the series of measures which must be undertaken in planning the employment of nuclear weapons for the purpose of combating the nuclear weapons of the enemy. It encompasses a group of matters which requires the participation of the commander, the chief of staff, the operations and intelligence directorates, the staff of the air army, the staff of the rocket troops and artillery, and the directorates of missile and artillery armament, chemical and engineer troops, and others.  The extent of participation in such planning by the main executors of a field headquarters of a front may be expressed by the data given in Table 3.  Apart from the command, those having the greatest participation in carrying out these functions are the directorate of the chief of the rocket troops and artillery, the operations directorate. Therefore, they obviously must work in close contact with each other under the common direct or operational supervision of the chief of staff. From this viewpoint the directorate of the chemical troops will be drawn more closely to the staff than, let us say, the directorate of the engineer troops and more frequently will be required to contact and function jointly with the directorates of the staff. In the same way one may analyze the volume of work related to the performance of other important groups of tasks, each of which is carried out jointly by several directorates (for example, the commander's adoption of a decision for an operation, operational, technical and materiel support, etc.). Data on the amount of work to be performed, reduced to analogous tables, will give some idea of the extent of participation of departments (directora			Page 8 of 16 Page 50X1-HUM
composition of departments and directorates based on the grouping of like or similar functions and the amount of work involved in carrying out these functions. But there are other functions that cannot be performed within a given department alone or even within a directorate. Let us take, for example, the series of measures which must be undertaken in planning the employment of nuclear weapons for the purpose of combating the nuclear weapons of the enemy. It encompasses a group of matters which requires the participation of the commander, the chief of staff, the operations and intelligence directorates, the staff of the air army, the staff of the rocket troops and artillery, and the directorates of missile and artillery armament, chemical and engineer troops, and others.  The extent of participation in such planning by the main executors of a field headquarters of a front may be expressed by the data given in Table 3.  Apart from the command, those having the greatest participation in carrying out these functions are the directorate of the chief of the rocket troops and artillery, the operations directorate. Therefore, they obviously must work in close contact with each other under the common direct or operational supervision of the chief of staff. From this viewpoint the directorate of the chemical troops will be drawn more closely to the staff than, let us say, the directorate of the engineer troops and more frequently will be required to contact and function jointly with the directorates of the staff. In the same way one may analyze the volume of work related to the performance of other important groups of tasks, each of which is carried out jointly by several directorates (for example, the commander's adoption of a decision for an operation, operational, technical and materiel support, etc.). Data on the amount of work to be performed, reduced to analogous tables, will give some idea of the extent of participation of departments (directorates) in controlling the troops. Those departments and directorates th	unfulfil two men,	led (40) by 20 ( and its full con	the maximum length of the work day), that is, by mplement would be 20 officers.
Apart from the command, those having the greatest participation in carrying out these functions are the directorate of the chief of the rocket troops and artillery, the operations directorate, the directorate of the chemical troops and the intelligence directorate. Therefore, they obviously must work in close contact with each other under the common direct or operational supervision of the chief of staff. From this viewpoint the directorate of the chemical troops will be drawn more closely to the staff than, let us say, the directorate of the engineer troops and more frequently will be required to contact and function jointly with the directorates of the staff. In the same way one may analyze the volume of work related to the performance of other important groups of tasks, each of which is carried out jointly by several directorates (for example, the commander's adoption of a decision for an operation, operational, technical and materiel support, etc.). Data on the amount of work to be performed, reduced to analogous tables, will give some idea of the extent of participation of departments (directorates) in controlling the troops. Those departments and directorates that take the greatest part in carrying out the main tasks of controlling the troops and whose functions are more closely related must naturally assume a key position in the structure of	or simil function given de example, employme weapons particip intellig	ar functions and s. But there are partment alone or the series of ment of nuclear wears of the enemy. It ation of the commence directorates roops and artille	ts and directorates based on the grouping of like the amount of work involved in carrying out these e other functions that cannot be performed within a reven within a directorate. Let us take, for easures which must be undertaken in planning the apons for the purpose of combating the nuclear tencompasses a group of matters which requires the mander, the chief of staff, the operations and so, the staff of the air army, the staff of the ery, and the directorates of missile and artillery
carrying out these functions are the directorate of the chief of the rocket troops and artillery, the operations directorate, the directorate of the chemical troops and the intelligence directorate. Therefore, they obviously must work in close contact with each other under the common direct or operational supervision of the chief of staff. From this viewpoint the directorate of the chemical troops will be drawn more closely to the staff than, let us say, the directorate of the engineer troops and more frequently will be required to contact and function jointly with the directorates of the staff. In the same way one may analyze the volume of work related to the performance of other important groups of tasks, each of which is carried out jointly by several directorates (for example, the commander's adoption of a decision for an operation, operational, technical and materiel support, etc.). Data on the amount of work to be performed, reduced to analogous tables, will give some idea of the extent of participation of departments (directorates) in controlling the troops. Those departments and directorates that take the greatest part in carrying out the main tasks of controlling the troops and whose functions are more closely related must naturally assume a key position in the structure of	a field	extent of partic neadquarters of a	cipation in such planning by the main executors of front may be expressed by the data given in Table
In analyzing the performance of similar and overlapping functions by several control organs, one comes upon redundant, parallel tasks. Such	carrying troops at chemical obvious! direct or viewpoint to the simore free directors work relawhich is commander and mater reduced in participal Those depoint the field.	out these function and artillery, the troops and the introops are directorated affithen, let us further the staff than, let us functly will be received to the performent of the staff and the support, etco analogous table tion of departments and directorated must naturally ain tasks of concellated must naturally and performents and directorated must naturally and directorated	cons are the directorate of the chief of the rocket operations directorate, the directorate of the intelligence directorate. Therefore, they lose contact with each other under the common pervision of the chief of staff. From this cof the chemical troops will be drawn more closely say, the directorate of the engineer troops and required to contact and function jointly with the first in the same way one may analyze the volume of ormance of other important groups of tasks, each of the decision for an operation, operational, technical color in the amount of work to be performed, es, will give some idea of the extent of the interest of the controlling the troops. The ectorates that take the greatest part in carrying trolling the troops and whose functions are more rally assume a key position in the structure of the joined organizationally with each other.

Declassified in Part	- Sanitized Copy Approved for Release 2012/04/12 : CIA-RDP 10-00 105R00020174000	1-2
,		

Page 9 of 16 Pages 50X1-HUM

functions are most clearly seen if one compares the functions of the communications directorate and the 8th department. The work of the 8th department has become so closely interwoven with that of the communications directorate (department) that the former cannot function without the latter. The two elements perform one and the same tasks. Thus, the coding documentation is located in the 8th department, instructions on enciphered communications are generated also in the 8th department, and the secure communications equipment is with the communications troops (at the communications center). The 8th department enciphers the message, then delivers it to the communications center and monitors its passage. The communications duty officer also has the duty of monitoring the passage of the message. In one research exercise 80 percent of the cipher messages sent in one day were transmitted over the secure communications channels. The following pattern developed: the initiator handed the message to the 8th department, there it was enciphered and sent to the traffic office of the communications center from which the cipher message was transmitted over the secure communications equipment to the addressee, that is, the message was again automatically enciphered in the communications channel. The opposite procedure was observed at the other end. Thus, the message was enciphered twice and deciphered twice; 80 percent of the messages were unnecessarily delayed by the cipher offices.

The secure communications equipment in the offices of the communications troops is capable of automatically enciphering all the information passing through the 8th department. Therefore, there is no need for manual enciphering and consequently no need for an independent 8th department, the work of which could be handled more successfully by the directorate (department) of the chief of the communications troops. The unification of these organs within the technical base of the communications troops would prevent duplication and parallel functions, and would free up to 19 men in the field headquarters of a front and about six men in an army headquarters for other duties.

Other examples of parallelism and redundant work could be given. Let us take just this one. At one time the posts of missile officer and radiation situation forecasting officer were introduced in the table of organization of the operations directorate, apparently for the purpose of creating more favorable conditions for cooperation between the operations directorate, the staff of the rocket troops and artillery and the directorate of the chemical troops. But the result was the opposite. The presence of these officers was simply ignored, but the need for close cooperation between the most important control organs at the required level was not lessened. It is well known that the more serious a problem and the

	50X1-HUM

Declassified in Par	t - Sanitized Copy Approved for Release 2012/04/12 : CIA-RDP10-00105R000201740001
	Page 10 of 16 Pages

more rapidly it must be solved, the greater the need for direct contacts between the responsible assigned personnel who have the authority to quickly make decisions or make suggestions to the commander. In resolving the most important questions, such as the employment of means of mass destruction and combat against them, contacts between superiors must not be replaced by contacts between intermediaries or information officers who have no authority whatsoever. This could lead to a loss of time and a delay in the commander's reaction to a situation.

The trend toward the unification and concentration of authority in the hands of a small number of people is becoming even stronger as new means of combat are introduced into the troops and as troop control acquires new control equipment which will permit the operational direction of large groupings of troops and their supply with materiel and equipment. In light of this tendency it would be interesting to continue our analysis of the grouping of functions and see where it will lead.

In principle, all functions of the field headquarters at the operational and tactical levels (these functions may add up to several thousand) may be combined into three large groups on the basis of indications of their similarity: operational, rear area and training. There is another group involving punitive functions, but it is not a main one and is carried out by personnel who are not included in the tables of organization of field headquarters. We will consider only the first two groups -- operational and rear area, and will examine their make-up and relationship.

Operational functions are those performed by operations, reconnaissance, communications, and radioelectronic warfare organs as well as those organs that control the means of destruction and defense (staff of the rocket troops and artillery, the directorates of the chiefs of the air defense, engineer and chemical troops). With the exception of the training functions, all other functions, namely, the selection and placement of personnel, manning and record-keeping, technical support (performed by the armored and motor vehicle-tractor directorate), materiel support (by the directorate of missile and artillery armament and a majority of the organs under the chief of the rear), medical support (by the medical and veterinary services), and finance -- may be placed in the large family of rear area functions. At the same time, statistics show that the higher the level of control, the more it will acquire the functions of the rear organs. If the ratio in volume of work of rear area functions to operational functions is 1.1:1 for an army field headquarters (on the basis of the existing tables of organization), the ratio would increase to 1.6:1

		50X1-HU

Page 11 of 16 Pages  for a front field headquarters. But a significant part of the rear area functions are scattered and are performed under the supervision of different chiefs who are not united under a single command. Apart from the commander and the chief of the rear, those who supervise rear area functions are: the deputy commander for technical matters, the chief of the rocket troops and artillery, the chief of the political directorate and the chiefs of the communications, engineer and chemical troops and the topographic service. It is clear that the coordination of actions would be difficult under such conditions. This, therefore, suggests the conclusion that all rear area functions should be combined under a single authority.  The development of control organs is proceeding precisely in this same direction, that is, in the direction of the unification of all operational functions in the hands of the chief of staff and all rear area functions in the hands of the chief of staff and all rear area functions in the hands of the chief of staff and all rear area functions in the hands of the chief of staff and the chief of the rear. Then, subordinate to the commander there would remain his deputies and the chiefs of the staff, the rear and the political directorate. The commander would have more time to develop concepts and command the troops. But in order to arrive at such centralization it will be necessary first to find a method of controlling these extremely complex and diverse functional tasks.  It is clear to everyone that the dispersal of rear area functions among the different branch arms and services reduces their operating efficiency and detracts from the performance of combat tasks. But at the same time the unification of such a large number of different tasks and the concentration of responsibility for performing these tasks in the hands of a few people is causing apprehension among many that a favorable solution may not be found, and some fear that they will be without missiles, radars, weapons, c	sified in Pa	rt - Sanitized Copy Approve	ed for Release 2012/04/12 : CIA-RDP10-00105R000201740
for a front field headquarters. But a significant part of the rear area functions are scattered and are performed under the supervision of different chiefs who are not united under a single command. Apart from the commander and the chief of the rear, those who supervise rear area functions are: the deputy commander for technical matters, the chief of the rocket troops and artillery, the chief of the political directorate and the chiefs of the communications, engineer and chemical troops and the topographic service. It is clear that the coordination of actions would be difficult under such conditions. This, therefore, suggests the conclusion that all rear area functions should be combined under a single authority.  The development of control organs is proceeding precisely in this same direction, that is, in the direction of the unification of all operational functions in the hands of the chief of staff and all rear area functions in the hands of the chief of staff and all rear area functions in the hands of the chief of the rear. Apparently all commanders of the branch arms and services are gradually being united according to their purpose under the supervision of the chief of staff and the chief of the rear. Then, subordinate to the commander there would remain his deputies and the chiefs of the staff, the rear and the political directorate. The commander would have more time to develop concepts and command the troops. But in order to arrive at such centralization it will be necessary first to find a method of controlling these extremely complex and diverse functions among the different branch arms and services reduces their operating efficiency and detracts from the performance of combat tasks. But at the same time the unification of such a large number of different tasks and the concentration of responsibility for performing these tasks in the hands of a few people is causing apprehension among many that a favorable solution may not be found, and some fear that they will be without missiles, radars, weapons,			
for a front field headquarters. But a significant part of the rear area functions are scattered and are performed under the supervision of different chiefs who are not united under a single command. Apart from the commander and the chief of the rear, those who supervise rear area functions are: the deputy commander for technical matters, the chief of the rocket troops and artillery, the chief of the political directorate and the chiefs of the communications, engineer and chemical troops and the topographic service. It is clear that the coordination of actions would be difficult under such conditions. This, therefore, suggests the conclusion that all rear area functions should be combined under a single authority.  The development of control organs is proceeding precisely in this same direction, that is, in the direction of the unification of all operational functions in the hands of the chief of staff and all rear area functions in the hands of the chief of staff and all rear area functions in the hands of the chief of the rear. Apparently all commanders of the branch arms and services are gradually being united according to their purpose under the supervision of the chief of staff and the chief of the rear. Then, subordinate to the commander there would remain his deputies and the chiefs of the staff, the rear and the political directorate. The commander would have more time to develop concepts and command the troops. But in order to arrive at such centralization it will be necessary first to find a method of controlling these extremely complex and diverse functions among the different branch arms and services reduces their operating efficiency and detracts from the performance of combat tasks. But at the same time the unification of such a large number of different tasks and the concentration of responsibility for performing these tasks in the hands of a few people is causing apprehension among many that a favorable solution may not be found, and some fear that they will be without missiles, radars, weapons,			
functions are scattered and are performed under the supervision of different chiefs who are not united under a single command. Apart from the commander and the chief of the rear, those who supervise rear area functions are: the deputy commander for technical matters, the chief of the rocket troops and artillery, the chief of the political directorate and the chiefs of the communications, engineer and chemical troops and the topographic service. It is clear that the coordination of actions would be difficult under such conditions. This, therefore, suggests the conclusion that all rear area functions should be combined under a single authority.  The development of control organs is proceeding precisely in this same direction, that is, in the direction of the unification of all operational functions in the hands of the chief of staff and all rear area functions in the hands of the chief of the rear. Apparently all commanders of the branch arms and services are gradually being united according to their purpose under the supervision of the chief of staff and the chief of the rear. Then, subordinate to the commander there would remain his deputies and the chiefs of the staff, the rear and the political directorate. The commander would have more time to develop concepts and command the troops. But in order to arrive at such centralization it will be necessary first to find a method of controlling these extremely complex and diverse functions among the different branch arms and services reduces their operating efficiency and detracts from the performance of combat tasks. But at the same time the unification of such a large number of different tasks and the concentration of responsibility for performing these tasks in the hands of a few people is causing apprehension among many that a favorable solution may not be found, and some fear that they will be without missiles, radars, weapons, communications means, etc. curing a critical period of combat actions.  It is understandable that with existing means and methods of co			Page 11 of 16 Pages
direction, that is, in the direction of the unification of all operational functions in the hands of the chief of staff and all rear area functions in the hands of the chief of the rear. Apparently all commanders of the branch arms and services are gradually being united according to their purpose under the supervision of the chief of staff and the chief of the rear. Then, subordinate to the commander there would remain his deputies and the chiefs of the staff, the rear and the political directorate. The commander would have more time to develop concepts and command the troops. But in order to arrive at such centralization it will be necessary first to find a method of controlling these extremely complex and diverse functional tasks.  It is clear to everyone that the dispersal of rear area functions among the different branch arms and services reduces their operating efficiency and detracts from the performance of combat tasks. But at the same time the unification of such a large number of different tasks and the concentration of responsibility for performing these tasks in the hands of a few people is causing apprehension among many that a favorable solution may not be found, and some fear that they will be without missiles, radars, weapons, communications means, etc. during a critical period of combat actions.  It is understandable that with existing means and methods of control it is difficult to solve the problem of unifying all rear area (as well as operational) functions in the hands of a few. However, the rapid development and introduction into the troop control organs of fundamentally new control equipment, which will free the chief of the rear of purely technical operations, will create the possibility and the inevitability of such unification in the future. The unification of all rear area functions will certainly lead to an improvement in methods of supervision and to a new, probably more simple, economical and improved structure of rear	funct diffe comma funct rocke chief topog diffi	ions are scattered and rent chiefs who are not noted and the chief of the constant are: the deputy continuous and artillery, sof the communications raphic service. It is calt under such conditions	are performed under the supervision of t united under a single command. Apart from the the rear, those who supervise rear area ommander for technical matters, the chief of the , the chief of the political directorate and the s, engineer and chemical troops and the clear that the coordination of actions would be ions. This, therefore, suggests the conclusion
among the different branch arms and services reduces their operating efficiency and detracts from the performance of combat tasks. But at the same time the unification of such a large number of different tasks and the concentration of responsibility for performing these tasks in the hands of a few people is causing apprehension among many that a favorable solution may not be found, and some fear that they will be without missiles, radars, weapons, communications means, etc. during a critical period of combat actions.  It is understandable that with existing means and methods of control it is difficult to solve the problem of unifying all rear area (as well as operational) functions in the hands of a few. However, the rapid development and introduction into the troop control organs of fundamentally new control equipment, which will free the chief of the rear of purely technical operations, will create the possibility and the inevitability of such unification in the future. The unification of all rear area functions will certainly lead to an improvement in methods of supervision and to a new, probably more simple, economical and improved structure of rear	directunct the harance purpo rear. and to comma But in find	tion, that is, in the dions in the hands of the chief of the arms and services are se under the supervision. Then, subordinate to me chiefs of the staff, ader would have more time order to arrive at sum the method of controlling	direction of the unification of all operational he chief of staff and all rear area functions in he rear. Apparently all commanders of the e gradually being united according to their on of the chief of staff and the chief of the the commander there would remain his deputies, the rear and the political directorate. The ime to develop concepts and command the troops. Each centralization it will be necessary first to
it is difficult to solve the problem of unifying all rear area (as well as operational) functions in the hands of a few. However, the rapid development and introduction into the troop control organs of fundamentally new control equipment, which will free the chief of the rear of purely technical operations, will create the possibility and the inevitability of such unification in the future. The unification of all rear area functions will certainly lead to an improvement in methods of supervision and to a new, probably more simple, economical and improved structure of rear	among effic same concer a few may new	the different branch a lency and detracts from time the unification of atration of responsibil people is causing appropriate be found, and some facts, communications mean	arms and services reduces their operating in the performance of combat tasks. But at the f such a large number of different tasks and the lity for performing these tasks in the hands of rehension among many that a favorable solution fear that they will be without missiles, radars,
	it is operated develor new contection such the will of the content	difficult to solve the cional) functions in the comment and introduction on trol equipment, which cal operations, will confication in the future trainly lead to an improverse.	e problem of unifying all rear area (as well as me hands of a few. However, the rapid into the troop control organs of fundamentally will free the chief of the rear of purely create the possibility and the inevitability of are. The unification of all rear area functions approvement in methods of supervision and to a

control organs, to a significant reduction in their personnel, and to an increase in operating efficiency.  Above we spoke about individual organs of field headquarters of operational formations. But what about the actual capabilities of the field headquarters of a front and army on the whole; are they capable of handling the problems of troop control which will arise in the event of war? If we take as the criteria for evaluating these capabilities the statistical data on the troops, a part of which was given in the accompanying table, and on the basis of these data assign a value of 100 percent to the quantitative composition of the control organs, and then compare this value with the capabilities of existing wartime tables of organization, we would obtain the following relationships: 100:82 for the field headquarters of a front, and 100:65 for the field headquarters of a combined-arms army. This means that with the existing tables of organization, during the tense period of combat actions, at the front level.		
control organs, to a significant reduction in their personnel, and to an increase in operating efficiency.  Above we spoke about individual organs of field headquarters of operational formations. But what about the actual capabilities of the field headquarters of a front and army on the whole; are they capable of handling the problems of troop control which will arise in the event of war? If we take as the criteria for evaluating these capabilities the statistical data on the troops, a part of which was given in the accompanying table, and on the basis of these data assign a value of 100 percent to the quantitative composition of the control organs, and then compare this value with the capabilities of existing wartime tables of organization, we would obtain the following relationships: 100:82 for the field headquarters of a front, and 100:65 for the field headquarters of a combined-arms army. This means that with the existing tables of organization, during the tense period of combat actions, at the front level.		
Above we spoke about individual organs of field headquarters of operational formations. But what about the actual capabilities of the field headquarters of a front and army on the whole; are they capable of handling the problems of troop control which will arise in the event of war? If we take as the criteria for evaluating these capabilities the statistical data on the troops, a part of which was given in the accompanying table, and on the basis of these data assign a value of 100 percent to the quantitative composition of the control organs, and then compare this value with the capabilities of existing wartime tables of organization, we would obtain the following relationships: 100:82 for the field headquarters of a front, and 100:65 for the field headquarters of a combined-arms army. This means that with the existing tables of organization, during the tense period of combat actions, at the front level.		Page 12 of 16 Pages 50x1-HUN
operational formations. But what about the actual capabilities of the field headquarters of a front and army on the whole; are they capable of handling the problems of troop control which will arise in the event of war? If we take as the criteria for evaluating these capabilities the statistical data on the troops, a part of which was given in the accompanying table, and on the basis of these data assign a value of 100 percent to the quantitative composition of the control organs, and then compare this value with the capabilities of existing wartime tables of organization, we would obtain the following relationships: 100:82 for the field headquarters of a front, and 100:65 for the field headquarters of a combined-arms army. This means that with the existing tables of organization, during the tense period of combat actions, at the front level	control organs, to a significant reduction increase in operating efficiency.	in their personnel, and to an
18 percent of the troop control functions will not be performed, and at the army level 35 percent of the troop control functions. In other words, there is a disproportion between the amount of work that is actually required and the true capabilities of the organic control organs.	operational formations. But what about the field headquarters of a front and army on thandling the problems of troop control which war? If we take as the criteria for evalual statistical data on the troops, a part of waccompanying table, and on the basis of the percent to the quantitative composition of compare this value with the capabilities of organization, we would obtain the following field headquarters of a front, and 100:65 from bined-arms army. This means that with the organization, during the tense period of control approach of the troop control functions warmy level 35 percent of the troop control there is a disproportion between the amount	actual capabilities of the he whole; are they capable of h will arise in the event of ting these capabilities the hich was given in the se data assign a value of 100 the control organs, and then existing wartime tables of relationships: 100:82 for the or the field headquarters of a e existing tables of mbat actions, at the front level ill not be performed, and at the of functions. In other words, of work that is actually

This disproportion can be eliminated by equipping the control organs with modern technical means and by improving their methods of operation. Attempts are also being made to solve this problem simply by increasing the number of personnel in the control organs. But an increase in personnel alone does not always bring about an increase in the operating efficiency of the staffs. In a modern operation the control organs must perform a series of functions with a speed and frequency which are beyond human psychological and physiological capabilities. It is impossible to operate without the aid of a high-speed computer, for example, in solving problems of air defense, in the employment of rocket troops, in forecasting the radiation situation, in processing large amounts of information in a limited period of time, etc., that is, in performing the most important functions of control. Therefore, increasing the number of personnel will lead unavoidably, in the final analysis, not to an improvement in one's position, but to an increase in the vulnerability of the control organs and a decrease in their operating efficiency, since an increase in people leads abruptly to an increase in self-service functions, that is, jobs that are created and performed by some people for others. 50X1-HUM

In conclusion we would like to say that if statistical data can serve, as has been shown, as the basis for important and far-reaching conclusions, then they must be objective, reliable and accurate. The collection of

L			

sified in Part - Sanitized Copy Approved for Release 2012/04/12 : CIA-RDP10-00105R0002017	4000
Page 13 of 16 Pa 50X1-HU	ges JM
different values and their mathematical processing will not give a true picture if chance information is used as the basis. They must systematically be checked, reviewed and refined. This is a time-consuminant and difficult task, the performance of which requires more than just the enthusiasm of individual institutions that are not directly connected with the primary sources of the information the troops. Organizational measures must be undertaken to continue the work that has been started.	
50X1-	−HUM
•	
50X1-H	HUM

Page 14 of 16 Pages

50Y1	I – HIIM

	Army		Front		
Departments (directorates)	Average amount of work, man-hours	Officers required	Average amount of work, man-hours	Officers required	
Operations department (directorate) [DRelligence department (directorate ==	405	2.7	590	39	
Without special intelligence functions) Department (directorate) of communications	200	m	099	4.	<del>-</del> .
Department (directorate) of organizational	0	<u> </u>	07/	84.	
Electionic Waifare Section (department)	211	14	404	27	
Topographic section (department)	. 60	4	200	13	
	787	19	350	23	
and artillery armament	260	17	403	35	
Alf defense department (directorate) Department (directorate) of engineer	204	14	270	18	
	163	11	292	<u>.</u>	
Urbartment (directorate) of chemical troops				}	
Directorate of the deputy commander	14.7	10	280	19	
for technical matters	450	30	790	6.6	
Staff of the rear	140	5	270	18	
Department (directorate) of military	BIL	<del></del>	480	32	
transportation	7.3	5	727	84	
Supply				!	
Clothing and equipment supply	105	7	265	17	
department	г 1		916	•	
$\overline{}$	90.	7 6	326	14	-
militaly medical department (directorate)	200	13	363	24	

50X1-HUM

Daily Amount of Work, Man-Hours  Orate Minimum Maximum (Optimal)  400 860 590  air defense troops 210 400 270							
Table 2  Daily Amount of Work,  Minimum Maximum  400 860  air defense troops 210 400		-Hours	Average (Optimal)	590	350	270	Page 15 of 16 Pages 50x1-HUM
Table 2  Daily  orate Minimum  400  air defense troops 250		of Work,	Maximum	860	580	400	
orate nd artillery air defense troops			Minimun	400	260	210	
50X1-HUM			o f	Operations directorate	Staff of the rocket troops and artillery		50х1-ним

										F	age 16 of 16 Page
	,	<del></del>								ı	50X1-HUM
	Percentage of total amount of work of the directorate	(executor)	20	08	30	40	20	15	10		
Table 3	Daily amount of work, man-hours	7	4	210	170	120	115	100	25		
Tô		Commander	Chief of staff	Staff of the rocket troops and artillery	Operations directorate	Directorate of chemical troops	Directorate of missile and artillery armament	Intelligence directorate	Directorate of engineer troops		50X1-HUM